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- (71) Applicant (for all designated States except US): YO-GOGO LIMITED [GB/GB]; Suite 308, The Foundry, 156 Blackfriars Road, London SE1 8EN (GB).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): SPAARGAREN, Jerome [GB/GB]; Basement Flat, 101 Earls Court Rd, London W8 6QH (GB).
- (74) Common Representative: SPAARGAREN, Jerome; Electronic Intellectual Property, Suite 308, The Foundry, 156 Blackfriars Rd, London SE1 8EN (GB).

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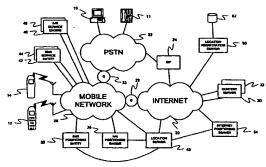
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(54) Title: WIRELESS COMMUNICATIONS SYSTEM WITH LOCATION-DEPENDENT SERVICES



(57) Abstract: A system enabling the dissemination of location data between user terminals (14) and to and from network resources (30, 32), and the utilisation of the location data in a manner convenient to users. User terminals, such as cellular telephones, personal digital assistants (PDAs), personal computers, and other interactive devices, may be location-enabled or conventional user terminals capable of transmitting service request data to network resources. In the case of location-enabled terminals, the terminal may store a plurality of items of location data, including spatial coordinate data, for dissemination to other user terminals and/or for transmission to network resources. The items of location data may be derived from systems for sensing the location of the mobile terminal (12), including satellite base positioning systems such as the global positioning system (GPS) or network-based or assisted positioning systems. Other sources of location data include other user terminals, network resources or manual provisioning of location data by the user at the terminal. In an alternative embodiment, user-selected location data is stored in a networkside store (50) for use by the user in relation to a range of remote processes, and is made accessible to a range of other network resources or user. Items from the network-side store may transmitted to others for use in relation to service requests and other processes.

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04L12/28 H04L29/06

G01S1/02

H04Q7/32

According to International Patent Classification (IPC) or to both national classification and IPC

#### B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  $IPC - 7 \qquad \text{H}04L$ H04L

Documentation searched other than minimum documentation to the extent that such documents are included. In the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

	ENTS CONSIDERED TO BE RELEVANT	<del></del>	<del></del>
Category *	Citation of document, with indication, where appropriate, of the	relevant passages	Relevant to daim No.
x	EP 1 009 137 A (LIVING SYSTEMS A 14 June 2000 (2000-06-14) the whole document	AG)	1~152
X	EP 0 848 564 A (ROBERT BOSCH GM 17 June 1998 (1998-06-17) the whole document	BH)	1~152
X	WO 00 29979 A (CREAHOLIC S.A. E 25 May 2000 (2000-05-25) the whole document	T AL)	1-152
X Furt	her documents are listed in the continuation of box C.	X Patent family members a	re listed in annex.
"A" docume consid "E" earlier of filing of the which citatio "O" docume other of the consider of the consideration of the consider	ent defining the general state of the art which is not defining the general state of the art which is not dered to be of particular relevance document but published on or after the international date and which may throw doubts on priority claim(s) or is cited to establish the publication date of another in or other special reason (as specified) ent reterring to an oral disclosure, use, exhibition or means and published prior to the international filling date but than the priority date claimed	"Y" document of particular relevan cannot be considered to invo document is combined with o	filici with the application but ple or theory underlying the cities to ce; the claimed invention or cannot be considered to en the document is taken alone ce; the claimed invention the an inventive set per when the ne or more other such docung obvious to a person skilled
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Category *	Citation of document, with indication, where appropriate, of the relevant passages		Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 1998, no. 05, 30 April 1998 (1998-04-30) & JP 10 013961 A (FUJITSU LTD), 16 January 1998 (1998-01-16) abstract -& US 6 115 611 A (KIMOTO TAKASHI ET AL) 5 September 2000 (2000-09-05)		1-152
X	WO 98 59506 A (TELIA AB) 30 December 1998 (1998-12-30) the whole document		1-152
Х,Р	WO 00 50844 A (GO2 SYSTEMS, INC. ET AL) 31 August 2000 (2000-08-31) the whole document		1-152
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# RNATIONAL SEARCH REPORT

In nation on patent family members

Inte	Application No
PCize	B 01/03853

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
EP 1009137	Α	14-06-2000	EP US	1009137 2001020215		14-06-2000 06-09-2001
EP 0848564	Α	17~06-1998	DE EP JP	19651453 0848564 10191440	A2	18-06-1998 17-06-1998 21-07-1998
WO 0029979	Α	25-05-2000	AU WO CN EP		A1 T	05-06-2000 25-05-2000 30-01-2002 12-09-2001
JP 10013961	Α	16-01-1998	US	6115611	A	05-09-2000
WO 9859506	Α	30-12-1998	SE WO	9702388 9859506		24-12-1998 30-12-1998
WO 0050844	Α	31-08-2000	US AU EP WO US	1159584	A A1 A1	13-03-2001 14-09-2000 05-12-2001 31-08-2000 25-09-2001

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